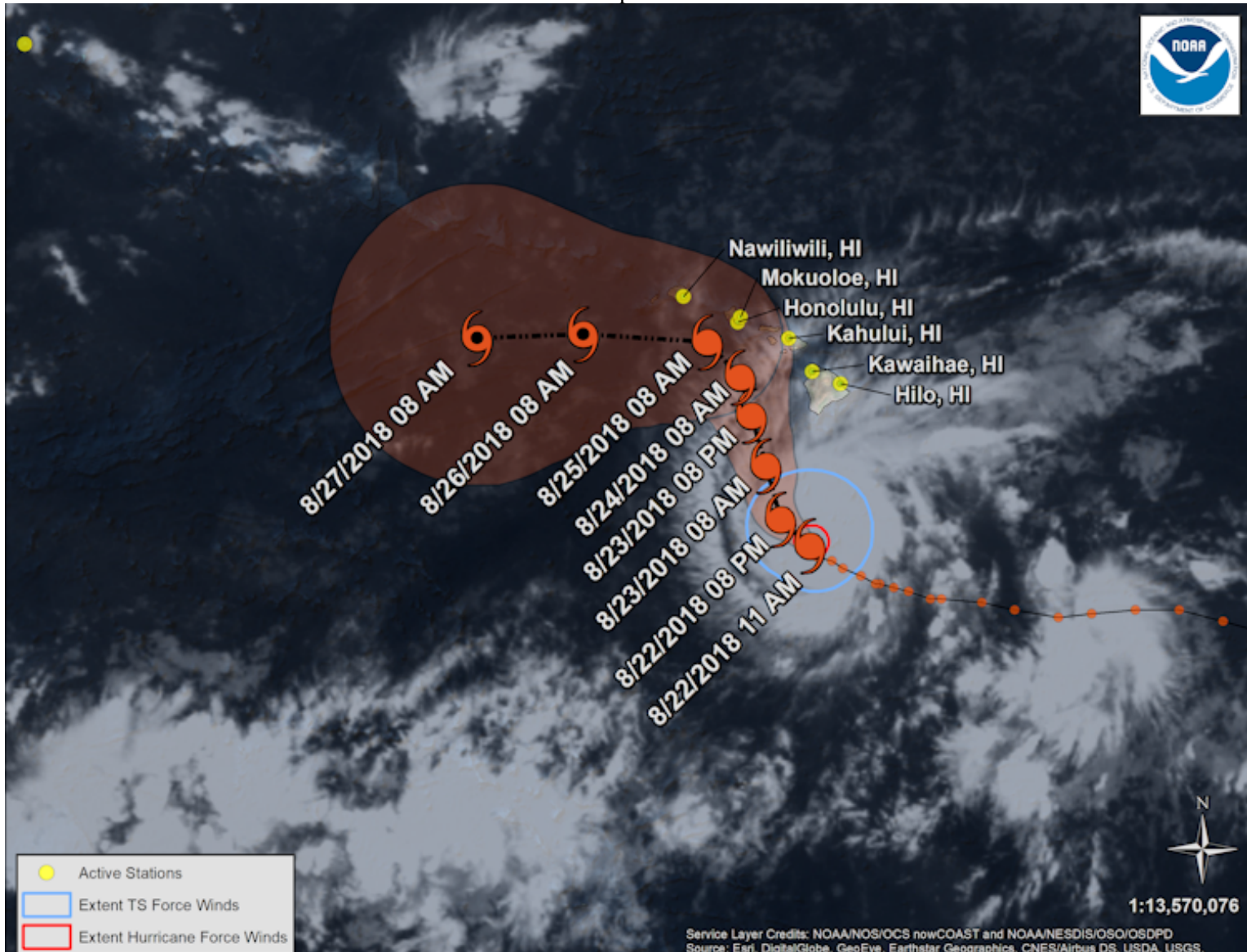




Hurricane Lane QuickLook  
Posted: 12:00 HST 08/22/2018

#### NOAA and NOAA Partnership Stations Relative to the Storm



#### Storm Analysis

As of 8/22/2018 12:00 HST water levels across the Hawaiian Islands are slightly elevated and generally range between 0.3 and 0.6 feet above normal tide levels. Winds of 5-15 knots are being observed across the region with gusts up to 20 knots being recorded at Kahului, HI. Barometric pressure continues to trend downward across the region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional real-time and historical inundation information for select stations affected by this storm, please visit Coastal Inundation Dashboard. For additional data, please see the Center for Operational Oceanographic Products & Services website.

For more information or archived products and reports, please visit the Storm QuickLook Homepage.

Analyst: LAH

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Select Central Pacific Hurricane Center Advisory Information:

Hurricane Lane Advisory Number 33  
NWS Central Pacific Hurricane Center Honolulu HI

1100 AM HST Wed Aug 22 2018

...HAWAIIAN ISLANDS REMAIN VULNERABLE AS CATEGORY 4 HURRICANE  
LANE PASSES SOUTH OF THE BIG ISLAND...

SUMMARY OF 1100 AM HST...2100 UTC...INFORMATION

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LOCATION...15.5N 155.9W  
ABOUT 285 MI... S OF KAILUA-KONA HAWAII  
ABOUT 420 MI... SSE OF HONOLULU HAWAII  
MAXIMUM SUSTAINED WINDS...155 MPH...  
PRESENT MOVEMENT...WNW OR 295 DEGREES AT 8 MPH...  
MINIMUM CENTRAL PRESSURE...935 MB...27.61 INCHES

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY:

None.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Hurricane Warning is in effect for...

- \* Hawaii County
- \* Maui County...including the islands of Maui, Lanai, Molokai and Kahoolawe

A Hurricane Watch is in effect for...

- \* Oahu
- \* Kauai County...including the islands of Kauai and Niihau

A Hurricane Warning means that hurricane conditions are expected somewhere within the warning area. A warning is typically issued 36 hours before the anticipated first occurrence of tropical-storm- force winds, conditions that make outside preparations difficult or dangerous. Preparations to protect life and property should be rushed to completion.

A Hurricane Watch means that hurricane conditions are possible within the watch area. A watch is typically issued 48 hours before the anticipated first occurrence of tropical-storm-force winds, conditions that make outside preparations difficult or dangerous.

Interests in the the Northwestern Hawaiian Islands should monitor the progress of Hurricane Lane.

For storm information specific to your area, please monitor products issued by the National Weather Service office in Honolulu Hawaii.

## DISCUSSION AND OUTLOOK

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At 1100 AM HST (2100 UTC), the eye of Hurricane Lane was located near latitude 15.5 North, longitude 155.9 West. Lane is moving toward the west-northwest near 8 mph (13 km/h). A gradual turn toward the northwest is expected today followed by a more northward motion on Thursday. A turn back toward the west is expected on Saturday. On the forecast track, the center of Lane will move very close to or over the main Hawaiian Islands from Thursday through Saturday.

Maximum sustained winds are near 155 mph (250 km/h) with higher gusts. Lane is a category 4 hurricane on the Saffir-Simpson Hurricane Wind Scale. A steady weakening trend is forecast to begin today, but Lane is expected to remain a dangerous hurricane as it approaches the islands.

Hurricane-force winds extend outward up to 40 miles (65 km) from the center and tropical-storm-force winds extend outward up to 140 miles (220 km).

The estimated minimum central pressure is 935 mb (27.61 inches).

## HAZARDS AFFECTING LAND

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**WIND:** Tropical storm conditions are expected within the Hurricane Warning area beginning late tonight into early Thursday morning, with hurricane conditions expected somewhere within the warning area on Thursday. Tropical storm conditions are possible within the Hurricane Watch area beginning Thursday into Thursday night, with hurricane conditions possible late Thursday night into Friday.

**RAINFALL:** Rainbands from Hurricane Lane are moving ashore on the Puna and Kau districts. Excessive rainfall associated with Lane is expected to affect portions of the Hawaiian Islands from late today into the weekend. This could lead to major flash flooding and landslides. Lane is expected to produce total rain accumulations of 10 to 15 inches with localized amounts in excess of 20 inches over the Hawaiian Islands.

**SURF:** Large swells generated by Lane will impact the Hawaiian Islands, spreading across the island chain today and tonight. These swells will produce very large and potentially damaging surf along exposed west, south and east facing shorelines.

## NEXT ADVISORY

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Next intermediate advisory at 200 PM HST.

Next complete advisory at 500 PM HST.

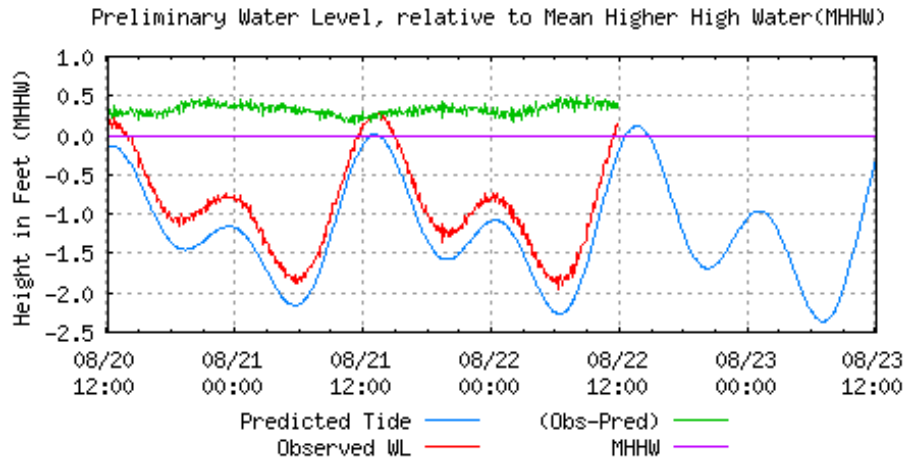
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Forecaster R Ballard

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Hilo, Hilo Bay, Kuhio Bay - Water Level](#), [Hilo, Hilo Bay, Kuhio Bay - Winds](#), [Hilo, Hilo Bay, Kuhio Bay - Barometric](#), [Kawaihae - Water Level](#), [Kawaihae - Winds](#), [Kawaihae - Barometric](#), [Kahului, Kahului Harbor - Water Level](#), [Kahului, Kahului Harbor - Winds](#), [Kahului, Kahului Harbor - Barometric](#), [Mokuoloe - Water Level](#), [Mokuoloe - Winds](#), [Mokuoloe - Barometric](#), [Honolulu - Water Level](#), [Honolulu - Winds](#), [Honolulu - Barometric](#), [Nawiliwili - Water Level](#), [Nawiliwili - Winds](#), [Nawiliwili - Barometric](#)

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



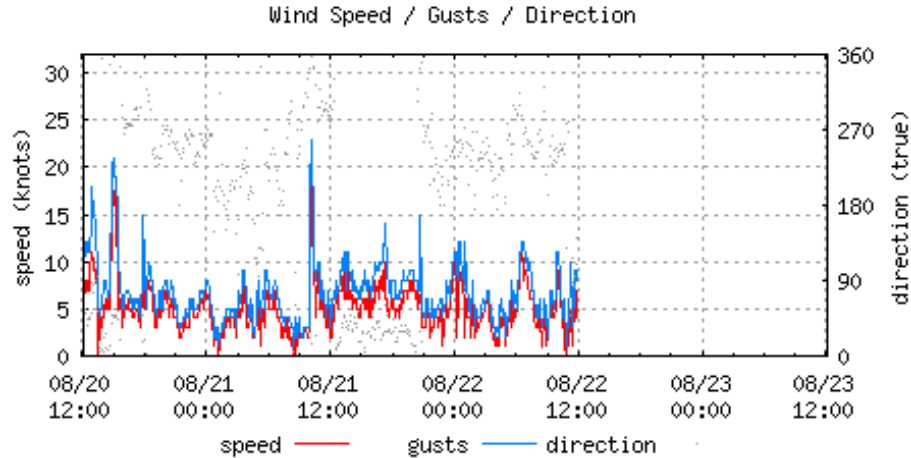
Last Observed Sample: 08/22/2018 11:54 (HST). Data relative to MHHW

Observed: 0.12 ft. Predicted: -0.23 ft. Residual: 0.35 ft.

Historical Maximum Water Level: Jul 24 2017, 1.54 ft.

Next High Tide: 08/22/2018 13:41 (HST), 0.12 ft.

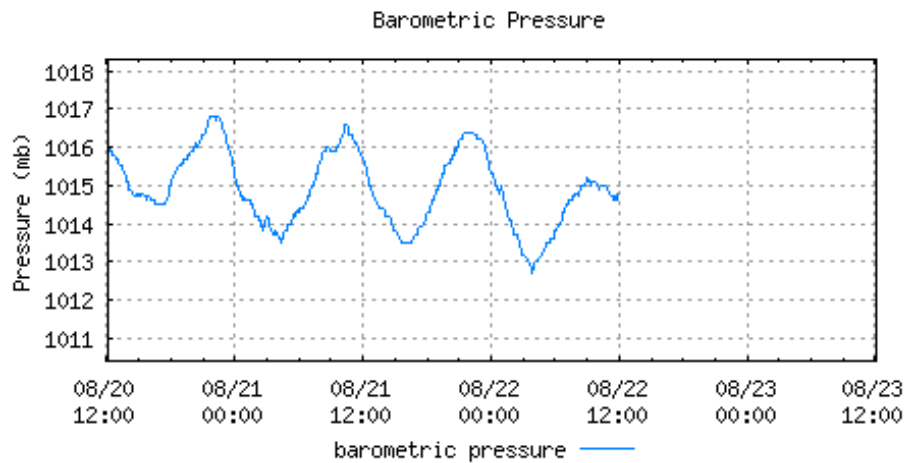
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



Last Observed Sample: 08/22/2018 11:54 (HST)

Wind Speed: 4 knots Gusts: 8 knots Direction: 140° T

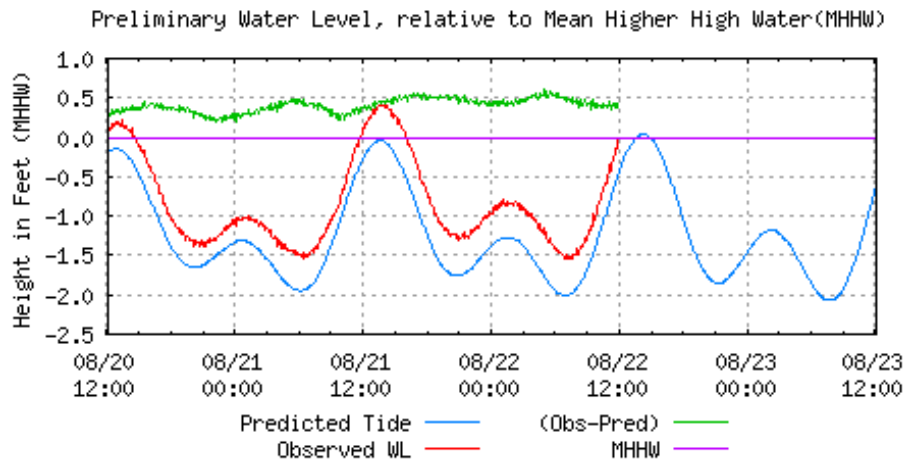
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



Last Observed Sample: 08/22/2018 11:54 (HST)

Barometric Pressure: 1014.6 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



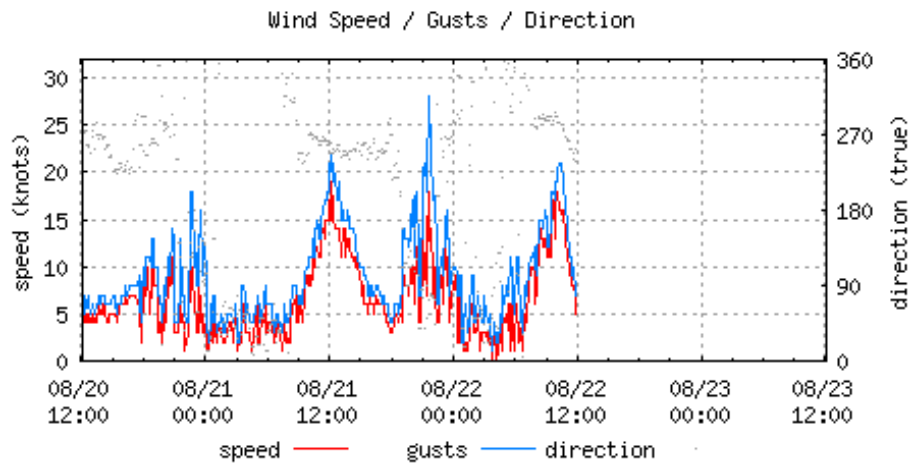
Last Observed Sample: 08/22/2018 11:54 (HST). Data relative to MHHW

Observed: -0.05 ft. Predicted: -0.48 ft. Residual: 0.43 ft.

Historical Maximum Water Level: Dec 15 2016, 1.33 ft.

Next High Tide: 08/22/2018 14:16 (HST), 0.04 ft.

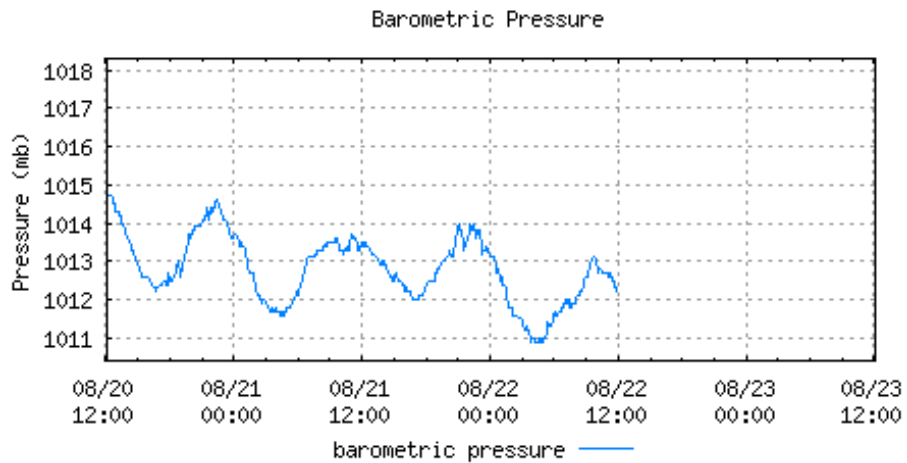
NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



Last Observed Sample: 08/22/2018 11:54 (HST)

Wind Speed: 5 knots Gusts: 7 knots Direction: 254° T

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

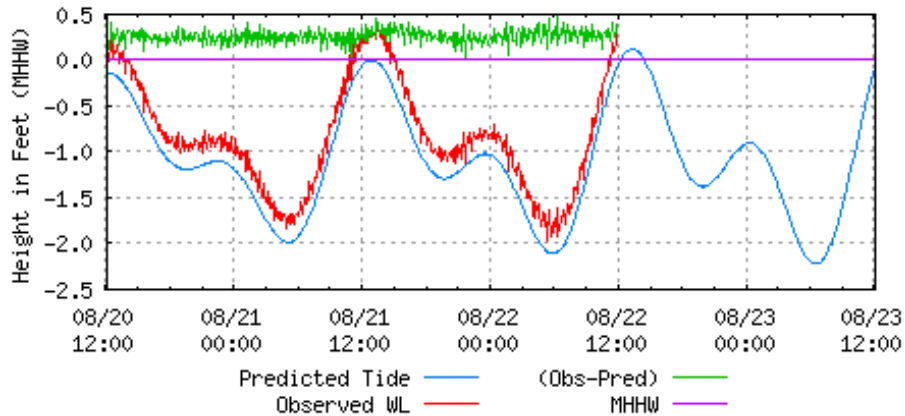


Last Observed Sample: 08/22/2018 11:54 (HST)

Barometric Pressure: 1012.2 mb

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 08/22/2018 11:54 (HST). Data relative to MHHW

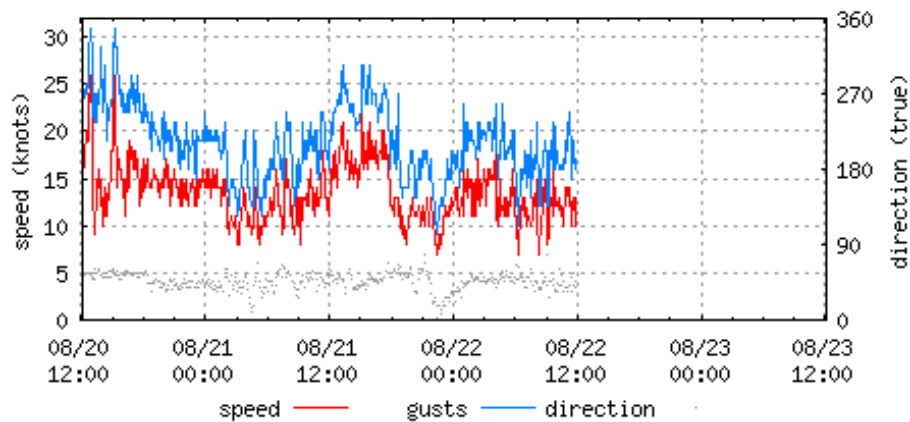
Observed: 0.30 ft. Predicted: -0.08 ft. Residual: 0.38 ft.

Historical Maximum Water Level: Aug 21 2017, 1.33 ft.

Next High Tide: 08/22/2018 13:20 (HST), 0.12 ft.

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Wind Speed / Gusts / Direction

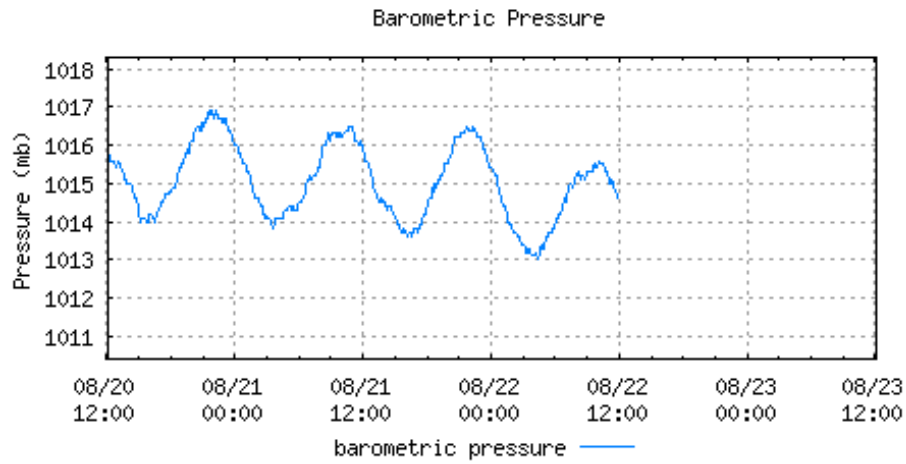


Last Observed Sample: 08/22/2018 11:54 (HST)

Wind Speed: 13 knots Gusts: 17 knots Direction: 45° T



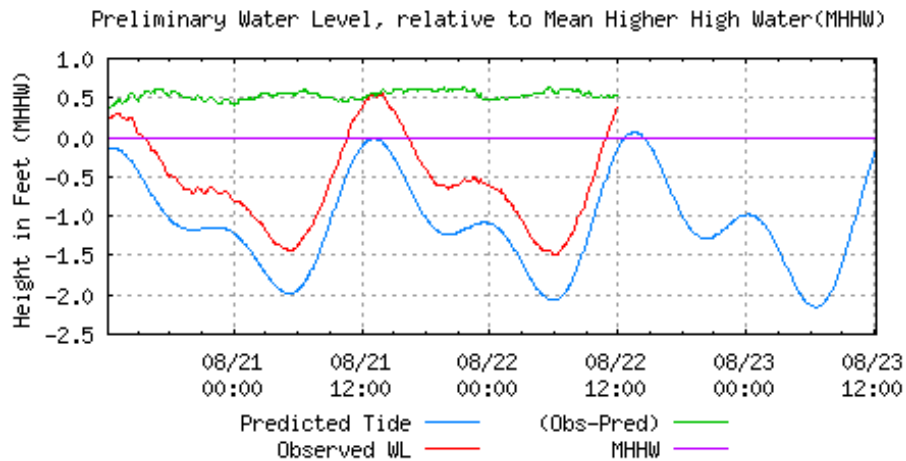
NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI



Last Observed Sample: 08/22/2018 11:54 (HST)

Barometric Pressure: 1014.6 mb

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



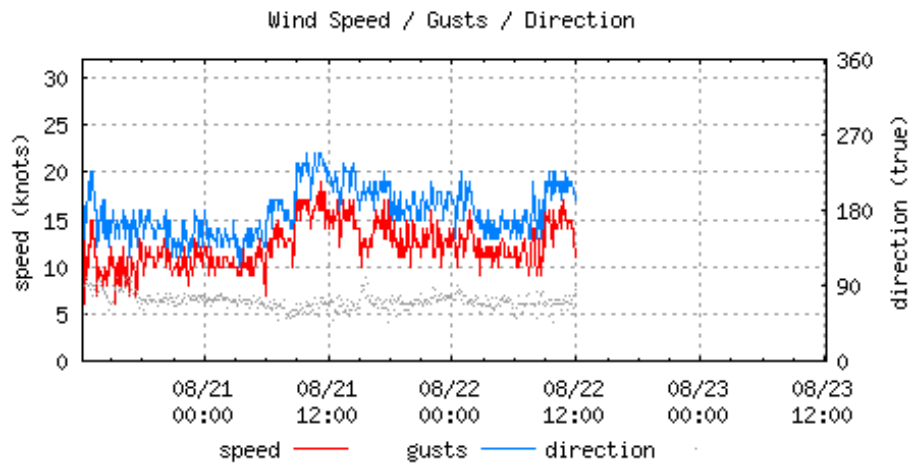
Last Observed Sample: 08/22/2018 11:54 (HST). Data relative to MHHW

Observed: 0.37 ft. Predicted: -0.17 ft. Residual: 0.54 ft.

Historical Maximum Water Level: Aug 21 2017, 1.47 ft.

Next High Tide: 08/22/2018 13:32 (HST), 0.06 ft.

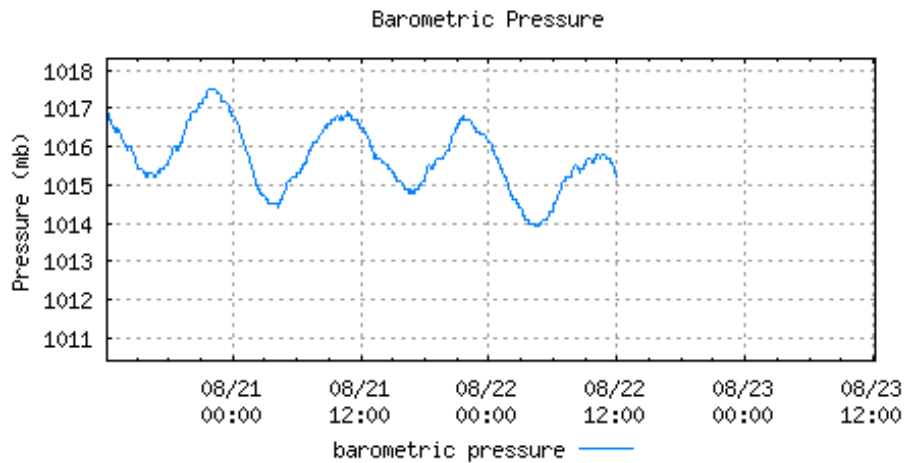
NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



Last Observed Sample: 08/22/2018 11:54 (HST)

Wind Speed: 11 knots Gusts: 17 knots Direction: 85° T

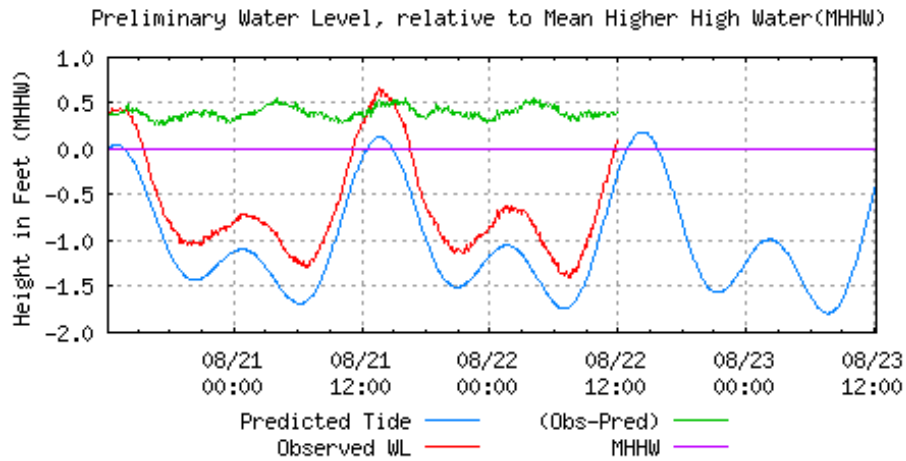
NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



Last Observed Sample: 08/22/2018 11:54 (HST)

Barometric Pressure: 1015.2 mb

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



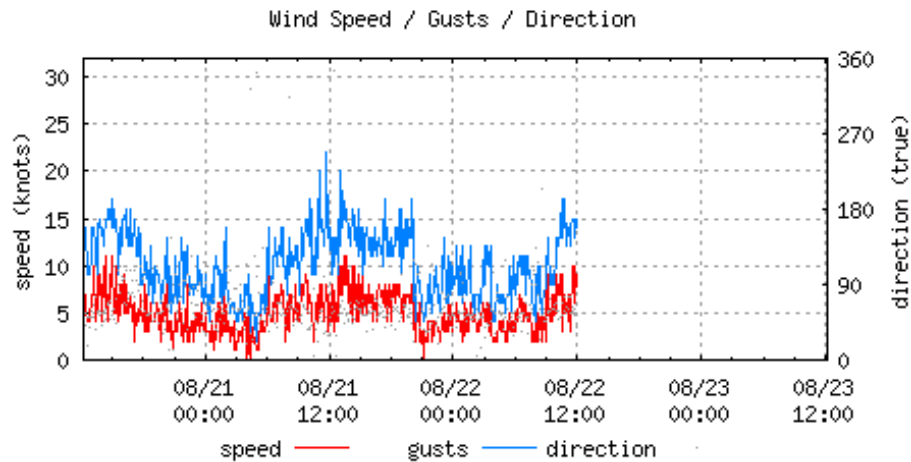
Last Observed Sample: 08/22/2018 11:54 (HST). Data relative to MHHW

Observed: 0.09 ft. Predicted: -0.30 ft. Residual: 0.39 ft.

Historical Maximum Water Level: Sep 11 1992, 1.47 ft.

Next High Tide: 08/22/2018 14:17 (HST), 0.19 ft.

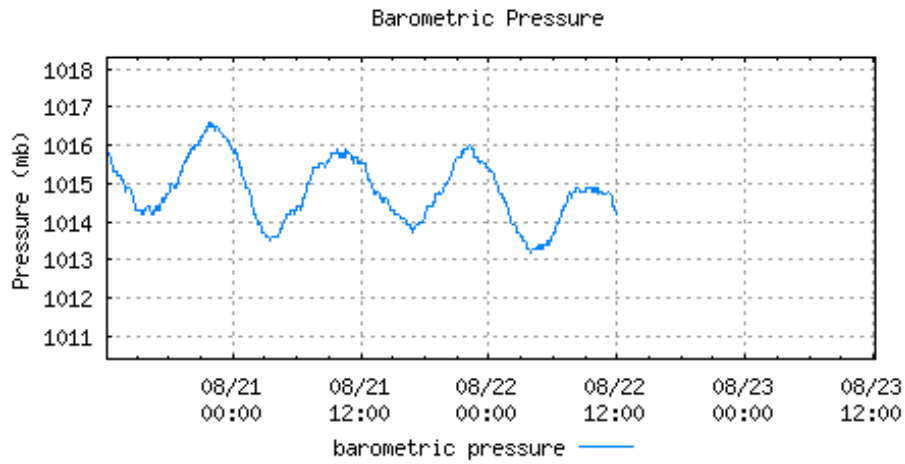
NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 08/22/2018 11:54 (HST)

Wind Speed: 9 knots Gusts: 15 knots Direction: 38° T

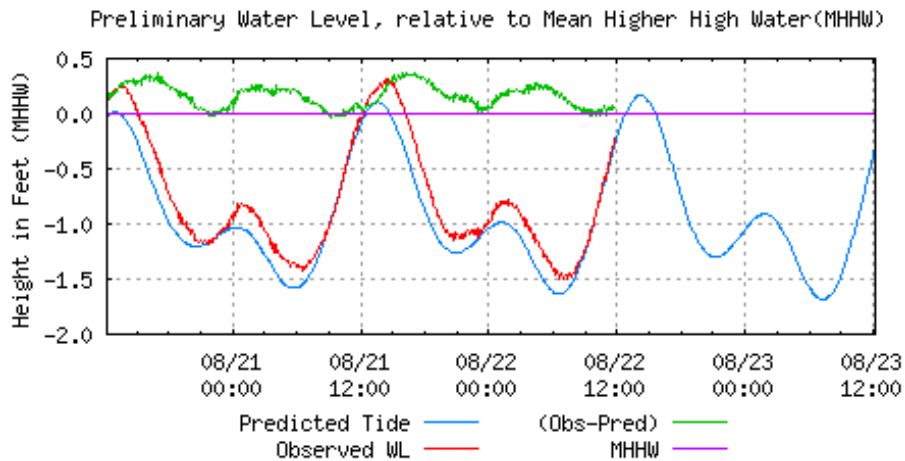
NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 08/22/2018 11:54 (HST)

Barometric Pressure: 1014.2 mb

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



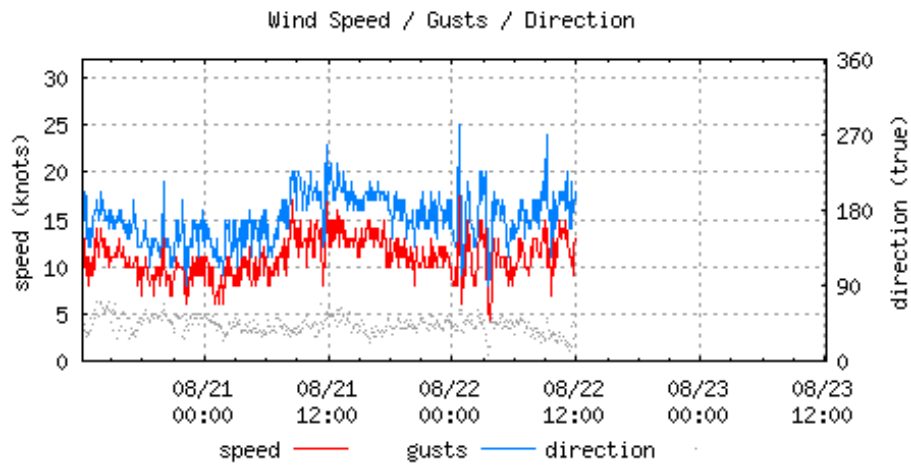
Last Observed Sample: 08/22/2018 11:54 (HST). Data relative to MHHW

Observed: -0.22 ft. Predicted: -0.28 ft. Residual: 0.06 ft.

Historical Maximum Water Level: Sep 11 1992, 3.15 ft.

Next High Tide: 08/22/2018 14:11 (HST), 0.16 ft.

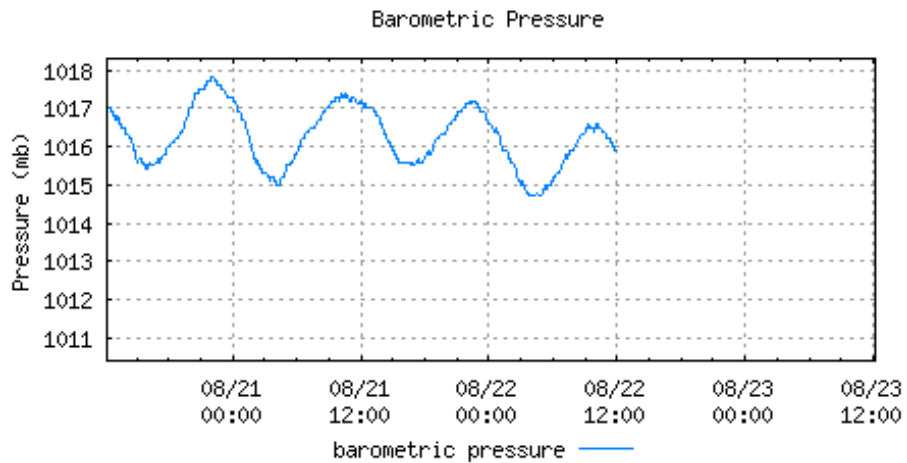
NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 08/22/2018 11:54 (HST)

Wind Speed: 13 knots Gusts: 18 knots Direction: 43° T

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 08/22/2018 11:54 (HST)

Barometric Pressure: 1015.9 mb

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
1617760	Hilo, Hilo Bay, Kuhio Bay, HI	08/22/2018 11:54 (HST)	0.12 ft	-0.23 ft	0.35 ft	0.28 ft
1617433	Kawaihae, HI	08/22/2018 11:54 (HST)	-0.05 ft	-0.48 ft	0.43 ft	0.41 ft
1615680	Kahului, Kahului Harbor, HI	08/22/2018 11:54 (HST)	0.30 ft	-0.08 ft	0.38 ft	0.44 ft
1612480	Mokuoloe, HI	08/22/2018 11:54 (HST)	0.37 ft	-0.17 ft	0.54 ft	0.55 ft
1612340	Honolulu, HI	08/22/2018 11:54 (HST)	0.09 ft	-0.30 ft	0.39 ft	0.66 ft
1611400	Nawiliwili, HI	08/22/2018 11:54 (HST)	-0.22 ft	-0.28 ft	0.06 ft	0.32 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce